

EPC's E-Scrap Center

INTRODUCTION: The EPC E-Scrap Center is a state-of-the-art, professional de-manufacturing operation, unlike any other in the region.

- History
- CSI Leasing
- The Numbers



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EPC's E-Scrap Center

SERVICES AVAILABLE: The EPC E-Scrap Center is home to a variety of services.

Demanufacture:

- Labor Intensive
(Hand & Tool – Task Schedules)
- How the Warehouse Measures Up
- Staff Size



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MONITORS: The EPC E-Scrap Center is able to effectively demanufacture Monitors.

-- Raw Materials Produced:

- Plastic - Wire - Steel
- PCB (Printed Circuit Boards)
- CRT Glass



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SYSTEMS: The EPC E-Scrap Center is able to effectively demanufacture Systems.

-- Raw Materials Produced:

- Plastic - Steel - Wire
- PCB (Printed Circuit Boards)
- Aluminum - Hard Drives
- Power Supplies

ADDITIONAL BENEFITS:

-- The SecureTrack Program

- Software Wipe or Destroy (Shred it!) Sensitive Data to Ensure Many Things

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PRINTERS: The EPC E-Scrap Center will soon be able to effectively demanufacture Printers.

- EIERA Grant for Hydraulic Press
- Why the Press? Time intensive



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MISC: The EPC E-Scrap Center also processes a variety of things that fall outside the regular service circles:

-- Routers, Hubs, Racks, Copiers, etc.



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Where It All Goes - What does EPC do with all the “stuff”?

- **CRT TUBES:** Monitors are disassembled and the CRT is removed. The lead in the glass is a highly toxic material. To ensure safety, the CRTs are sent to Doe Run, a lead smelter in Missouri. EPC pays to have Doe Run process the CRTs. Their process removes the lead for reuse and uses the glass as a flux in one of their manufacturing processes.
- **PLASTIC HOUSINGS:** These come from computers, monitors and printers. Because of transportation costs, we compress the housings into large bales. At the plastic recycler, they are sorted as to type, cleaned and dried. They then grind it into pellets to be reused. Manufacturers incorporate the pellets with new plastics to make plastic fencing, bumpers for parking lots, among other products.

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Where It All Goes – Continued...

- **STEEL:** The chassis of computers, monitors and printers are made of steel. It is shredded up or baled and sent to steel processors to be reused.

- **ALUMINUM:** Not used as much as steel, but aluminum is used in many systems and printers. Just like steel, it is shredded or baled and sent to aluminum processors to be reused.

- **GREEN BOARD:** Green boards have many valuable metals on them. Gold, palladium, silver and copper are used to manufacture them. They also have toxic materials on them, such as lead, mercury, cadmium and radium. There are several companies in the United States that use heat to separate all of the various metals, materials and plastics. The precious metals are sold and the toxic material treated under EPA guidelines.

- **WIRING and CABLES:** Copper is the main recoverable part of wiring. The wire is chopped to remove the insulation and recycle the copper. The connectors at the end of the wiring are also recycled for the gold.

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TELEVISIONS: The EPC E-Scrap Center is capable of taking on the influx of large-scale display devices of all kinds.

- HDTVs
- Large CRTs (Weight = Cost)

Note: Plastic cases contain brominated flame retardants which can become a very dangerous hazard



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